### Connecting via Winsock to STN

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Welcome to STN International! Enter x:x
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LOGINID: SSPTAJRK1626

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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Welcome to STN International
NEWS
                 Web Page for STN Seminar Schedule - N. America
                 New CAS web site launched
NEWS
         MAY 01
                 CA/CAplus Indian patent publication number format defined
NEWS
                 RDISCLOSURE on STN Easy enhanced with new search and display
NEWS
         MAY 14
                 BIOSIS reloaded and enhanced with archival data
NEWS
         MAY 21
NEWS
         MAY 21
                 TOXCENTER enhanced with BIOSIS reload
                 CA/CAplus enhanced with additional kind codes for German
NEWS
         MAY 21
                 patents
                 CA/CAplus enhanced with IPC reclassification in Japanese
NEWS 8
         MAY 22
                 patents
         JUN 27
                 CA/CAplus enhanced with pre-1967 CAS Registry Numbers
NEWS 9
NEWS 10
         JUN 29
                 STN Viewer now available
         JUN 29
NEWS 11
                 STN Express, Version 8.2, now available
         JUL 02
                 LEMBASE coverage updated
NEWS 12
                 LMEDLINE coverage updated
NEWS 13
        JUL 02
NEWS 14
                 SCISEARCH enhanced with complete author names
         JUL 02
                 CHEMCATS accession numbers revised
NEWS 15
         JUL 02
NEWS 16
         JUL 02
                 CA/CAplus enhanced with utility model patents from China
                 CAplus enhanced with French and German abstracts
NEWS 17
         JUL 16
         JUL 18
NEWS 18
                 CA/CAplus patent coverage enhanced
                 USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS 19
         JUL 26
                 USGENE now available on STN
NEWS 20
         JUL 30
         AUG 06
                 CAS REGISTRY enhanced with new experimental property tags
NEWS 21
NEWS 22
         AUG 06
                 BEILSTEIN updated with new compounds
                 FSTA enhanced with new thesaurus edition
NEWS 23
         AUG 06
                 CA/CAplus enhanced with additional kind codes for granted
NEWS 24
         AUG 13
                 patents
                 CA/CAplus enhanced with CAS indexing in pre-1907 records
NEWS 25
         AUG 20
                 Full-text patent databases enhanced with predefined
         AUG 27
NEWS 26
                 patent family display formats from INPADOCDB
         AUG 27
NEWS 27
                 USPATOLD now available on STN
         AUG 28
                 CAS REGISTRY enhanced with additional experimental
NEWS 28
                 spectral property data
NEWS 29
         SEP 07
                 STN AnaVist, Version 2.0, now available with Derwent
                 World Patents Index
NEWS EXPRESS
              05 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2,
              CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
              AND CURRENT DISCOVER FILE IS DATED 05 SEPTEMBER 2007.
NEWS HOURS
              STN Operating Hours Plus Help Desk Availability
NEWS LOGIN
              Welcome Banner and News Items
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NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 15:14:51 ON 11 SEP 2007

=> file reg COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 0.21 0.21

FULL ESTIMATED COST

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STRUCTURE FILE UPDATES: 10 SEP 2007 HIGHEST RN 946567-47-1 DICTIONARY FILE UPDATES: 10 SEP 2007 HIGHEST RN 946567-47-1

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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

Uploading C:\Program Files\Stnexp\Queries\10520621\Struc 7.str

chain nodes :

10520621a.trn

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Page 3
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6 14 15
ring nodes :
1 2 3 4 5 7 8 9 10 11 12 17 18 19 20
chain bonds :
2-14 3-6 5-15 6-7
ring bonds :
1-2 1-5 2-3 3-4 4-5 7-8 7-12 8-9 9-10 9-17 10-11 10-20 11-12 17-18
18-19 19-20
exact/norm bonds :
1-2 1-5 2-3 2-14 3-4 4-5 5-15
exact bonds :
3-6 6-7
normalized bonds :
7-8 7-12 8-9 9-10 9-17 10-11 10-20 11-12 17-18 18-19 19-20

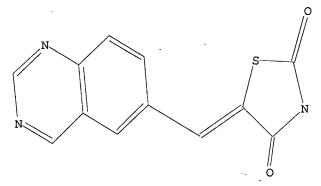
G1:0,S,N

Match level :

1:Atom 2:Atom 3:Atom 4:CLASS 5:Atom 6:CLASS 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 14:CLASS 15:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS

# L1 STRUCTURE UPLOADED

=> d L1 HAS NO ANSWERS L1 STR



G1 O, S, N

Structure attributes must be viewed using STN Express query preparation.

2 ANSWERS

=> 11

SAMPLE SEARCH INITIATED 15:15:19 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 4 TO ITERATE

100.0% PROCESSED 4 ITERATIONS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*
BATCH \*\*COMPLETE\*\*
PROJECTED ITERATIONS: 4 TO 200

10520621a.trn

PROJECTED ANSWERS:

2 TO ' 124

L2

2 SEA SSS SAM L1

=> 11 full

FULL SEARCH INITIATED 15:15:22 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 42 TO ITERATE

100.0% PROCESSED

42 ITERATIONS

24 ANSWERS

SEARCH TIME: 00.00.01

 $L_3$ 

24 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY 172.10

SESSION 172.31

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 15:15:24 ON 11 SEP 2007 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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=> 13

L4 3 L3

=> d ibib abs hitstr 1-3

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2006:367076 CAPLUS
DOCUMENT NUMBER: 144:398358
ITITLE: 414:398358
INVENTOR(S): 442:398358
Metzker, Reinhard; Mueller, Angelika; Rommel, Christian
PATENT ASSIGNEE(S): Applied Research Systems Ara Holding N.V., Neth. Antilles
SOURCE: PITL Appl., 48 pp.
CODEN: PITXD2
DOCUMENT TYPE: Patent
LANGUAGE: Patent
English
FAMILY ACC. NUM. COUNT: 1

PATENT NO. KIND DATE APPLICATION NO. DATE  MO 2006040318 A2 20060420 WO 2005-EP55156 20051011  WC 2006040318 A3 20060810  WF AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CM, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IH, IS, JP, KE, KG, KM, FK, KR, KR, KR, KR, KR, KR, KR, KR, KR, K																			
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YU. ZA, ZM. ZW  RM: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  IS, IT, LT, LU, LV, MC, NL, PI, PT, RO, SE, SI, SK, TR, BF, BJ,  CF, CG, CI, CM, GA, GN, GQ, GM, ML, MR, NS, NT, DT, TG, BW, GH,  GM, KE, LS, MW, RU, TA, TB,  AU 2005293556 A1 20060420 AU 2005-293556 20051011  CA 2580480 A1 20060420 CA 2005-2580480 20051011  R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  IS, IT, LI, LT, LU, LV, MC, NL, FL, PT, RO, SE, SI, SK, TR, AL,  BA, HR, MK, YU  IN 2007DN02450 A 20070803 IN 2007-2393 20070402  NO 2007002393 A 20070509 NO 2007-2393			NA,	NG,	NI,	NO,	NZ,	OM,	PG,	PH,	PL	, PT	, RO	, RU,	sc,	SD,	SE,	SG,	
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CA 2580480 Al 20056420 CA 2005-2580480 20051011 R: AT, BE, BG, CH, CY, C2, DE, DK, EE, E3, F1, FR, GB, GR, HU, IE. IS, IT, LI, LT, LU, LV, MC, NL, FL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, YU IN 2007DN02450 A 20070803 IN 2007-DR2450 20070402 NO 2007002393 A 20070509 *No 2007-2393 20070509			KG,	KZ,	MD,	RU,	ŤJ,	TM											
EP 1807075 A2 20070718 EP 2005-801722 20051011 R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE. IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, YU IN 2007080450 A 20070803 IN 2007-DN2450 20070402 NO 2007002393 A 20070509 NO 2007-2393 20070509	ΑU	2005	2935	56		LA		200,6	0420		ΑU	2005	-293	556		2	0051	011	
R: AT, BE, BG, CH, CY, C2, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, YU  IN 2007DM02450 A 20070803 IN 2007-DN2450 20070402  NO 2007002393 A 20070509 NO 2007-2393 20070509	CA	2580	480			Al		2006	0420		CA	2005	-258	0480		2	0051	011	
IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, YU IN 2007DN02450 A 20070803 IN 2007-DN2450 20070402 NO 2007002393 A 20070509 NO 2007-2393 20070509	EP	1807	075			A2		2007	0718	1	EΡ	2005	-801	722		2	0051	011	
B BA, HR, MK, YU IN 2007DN02450 A 20070803 IN 2007-DN2450 20070402 NO 2007002393 A 20070509 NO 2007-2393 20070509		R;	AT,	BE,	BG,	CH,	CY,	ÇZ,	DΕ,	DK,	EE	, ES	, FI	, FR,	GB,	GR,	НU,	ΙE,	
IN 2007DN02450 A 20070803 IN 2007-DN2450 20070402 NO 2007002393 A 20070509 NO 2007-2393 20070509			IS,	IT,	LI,	LT,	LU,	LV,	MC,	NL,	PL	., PT	, RO	, SE,	SI,	SK,	TR,	AL,	
NO 2007002393 A 20070509 NO 2007-2393 20070509			BA,	HR,	MK,	YU													
	132	2007	DN02	450		A		2007	0803		IN	2007	-DN2	450		2	0070	402	
PRIORITY APPLN. INFO.: EP 2004-104997 A 20041012	NO	2007	0023	93		A		2007	0509	•	NO	2007	-239	3		2	0070	509	
	PRIORIT	Y APP	LN.	INFO	.:						EΡ	2004	-104	997		A 2	0041	012	
WO 2005-FD55156 W 20051011											wa	2005	_ F D S	5156		w 2	0051	011	

OTHER SOURCE(S):

MARPAT 144:398358

ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

648449-86-9 CAPLUS 2.4-Thiazolidinedione, 5-[[4-(1-piperidinyl)-6-quinazolinyl]methylene]-(9c1) (CA INDEX NAME)

648449-87-0 CAPLUS 2,4-Thiazolidinedione, (9CI) (CA INDEX NAME) 5-[[4-(4-morpholinyl)-6-quinazolinyl]methylene)-

648449-88-1 CAPLUS 2,4-Thiazolidinedione, 5-[[4-[(phenylmethyl)amino]-6-quinazolinyl]methylene]- [9CI) (CA INDEX NAME)

648449-89-2 CAPLUS 2,4-Thiazolidinedione, (9C1) (CA INDEX NAME) 5-[[4-(diethylamino)-6-quinazolinyl]methylene)- ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

This present invention is related to the use of selective PD kinase gamma inhibitors for the manufacture of a medicament for the treatment of

related to erythrocyte deficiency. Specifically, the present invention

related to the use of selective PI3 Kinase gamma inhibitors, e.g. substituted azolidinone-vinyl fused-benzene derivs. for the treatment of an anenia, including haemolytic anenia, aplastic anemia and pure red cell anemia (I) wherein A, X, Yl, Y2, Z, n, Rl and RZ are described in

anemia. (I) wherein A, X, Y1, Y2, Z, n, R1 and R2 are described in details
in the description hereinafter.

IT 64849-8-6 64849-8-7 648449-8-8-8
64849-8-6 648449-8-7 648449-8-8-1
64849-8-2 64849-90-5 648449-91-6
64849-92-7 648449-92-7 648449-97-2
64849-95-0 64849-99-3 648449-97-2
64849-98-0 64849-99-3 648449-97-2
64849-98-0 64849-99-4 648450-00-4
648450-01-5 648450-02-6 648450-03-7
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648450-01-5 648450-02-6 64850-03-7
648450-01-5 64850-02-6 64850-03-7
648450-01-5 64850-02-6 64850-03-7
648450-05-9 649450-06-0 648915-80-4
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
(Biological study); USES (Uses)
(P13 kinase gamma inhibitors for treatment of anemia)
RN 648449-83-6 CAPLUS
CN 2,4-Thiazolidinedione, 5-[(4-phenyl-6-quinazolinyl]methylene]- (9CI) (CA

648449-84-7 CAPLUS
2.4-Thiazolidinedione, 5-[[4-(dimethylamino)-6-quinazolinyl]methylene](9CI) (CA INDEX NAME)

648449-85-8 CAPLUS 2,4-Thiazolidinedione, 5-[(4-amino-6-quinazolinyl)methylene]- (9CI) (CA INDEX MAME)

ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

648449-90-5 CAPLUS
2.4-Thiszolidinedione, 5-([4-[(2-pyridinylmethyl)amino]-6-quinazolinyl]methylene)- (9C1) (CA INDEX NAME)

648449-91-6 CAPLUS
2.4-Thiazolidinedione, '5-[[4-[(3-pyridinylmethyl)amino]-6-quinazolinyl]methylene]- (9CI) (CA INDEX NAME)

RN 648449-92-7 CAPLUS
CN 3-Piperidinecarboxylic acid,
1-[6-[12,4-dioxo-5-tchiazolidinylidene)methyl]4-quinazolinyl]-, ethyl ester (9CI) (CA INDEX NAME)

ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

RN 648449-93-8 CAPLUS
CN 4-Piperidinecarboxylic acid,
1-[6-[12,4-dioxo-5-thiazolidinylidene]methyl]4-quinazolinyl]-, ethyl ester (9CI) (CA INDEX NAME)

RN 648449-94-9 CAPLUS CN L-Proline, 1-[6-[2,4-dioxo-5-thiazolidinylidene)methyl]-4-quinazolinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

648449-98-3 CAPLUS
2,4-Thiazolidinedione, 5-[[4-[4-(phenylmethyl)-1-piperidinyl]-6-quinazolinyl]methylene]- (9CI) (CA INDEX NAME)

648449-99-4 CAPLUS
2.4-Thiezolidinedione, 5-{[4-[4-(2-phenylethyl)-1-piperidinyl]-6-quinazolinyl]methylene]- (9CI) (CA INDEX NAME)

648450-00-4 CAPLUS
2,4-Thiazolidinedione, 5-[[4-(4-methyl-1-piperidinyl)-6-quinszolinyl]methylene]- [9CI] (CA INDEX NAME)

ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN (Coi 648449-95-0 CAPLUS 2,4-Thiacolidinedione, 5-[[4-(4-methyl-1-piperazinyl)-6-quinazolinyl]methylene}- (9CI) (CA INDEX NAME)

648449-96-1 CAPLUS 2,4-Thiazolidinedione, 5-[[4-[4-[2-pyrimidiny1)-1-pipersziny1]-6-quinazoliny1]methylenej- [9CI) (CA INDEX NAME)

648449-97-2 CAPLUS 2,4-Thiazolidimedione, 5-[[4-[4-(4-fluorophenyl])-1-piperidinyl]-6-quinazolinyl]methylene]- (9CI) (CA INDEX NAME)

ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

648450-01-5 CAPLUS
2,4-Thiazolidinedione, 5-[[4-(4-hydroxy-1-piperidinyl)-6-quinazolidinyl]methylene)- [9CI] (CA INDEX NAME)

RN 648450-02-6 CAPLUS CN 4-Piperidinecarboxylic acid, 1-[6-{(2,4-dioxo-5-chiazolidinylidene)methyl]-4-quinazolinyl]- (9CI) (CA INDEX NAME)

RN 648450-03-7 CAPLUS
CN 3-Piperidinecarboxylic acid,
1-(6-[(2,4-dioxo-5-thiazolidinylidene)methyl]4-quinazolinyl)- (9C1) (CA INDEX NAME)

ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

CAPLUS S-{[4-(methylamino)-6-quinazolinyl]methylene}-2,4-Thiazolidinedione, (9CI) (CA INDEX NAME)

648450-06-0 CAPLUS 2,4-Thiazolidinedione, 5-[(4-methoxy-6-quinazolinyl)methylene)- (9CI) INDEX NAME!

648915-80-4 CAPLUS L-Prolline, l-(6-[(2,4-dioxo-5-thiazolidinylidene)methyl]-4-quinazolinyl]-(9CI) (CA INDEX NAME)

Absolute stereochemistry. Double bond geometry unknown.

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS ON STN ACCESSION NUMBER: 2004:60505 CAPLUS
DOCUMENT NUMBER: 140:128412

TITLE:

140:128412
Preparation of azolidinone-vinyl fused-benzene derivatives for therapeutic uses as PI3 kinase inhibitors
Rueckle, Thomas: Jiang, Xuliang; Gaillard, Pascale; Church, Dennis: Vallotton, Tania
Applied Research Systems Ars Holding N.V., Neth. Antiles
PCT Int. Appl., 142 pp.
CODEN: PIXME2
Patent
English
1

INVENTOR(S):

PATENT ASSIGNEE(S):

DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

AI 20040122 W0 2003-EP50302 20030710

AI 20040122 W0 2003-EP50302 20030710

AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LV, MA, MP, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, US, UZ, VC, VN, YU, ZA, ZM, ZW

LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, CG, CI, CM, GA, GN, GO, GW, MI, MR, NE, SN, TD, TG

AI 20040513 US 2002-28998 20021107

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AI 20050706 EP 2003-763907 200307110

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A 20050107 CP 2003-763907 20030710

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A 20050121 CN 2003-821416 20030710

A 20050121 CN 2003-821416 20030710

A 20050121 MX 2005-PA453 20050107

A 20050315 MX 2005-PA453 20050107 PATENT NO. APPLICATION NO. WO 2004007491 A1 2

W: AE, AG, AL, AM, AT,
CO, CR, CU, CZ, DE,
GM, HR, HU, 1D, 1L,
LS, LT, LU, LV, MA,
PH, PL, PT, RO, RU,
TZ, UA, UG, US, UZ,
RW: GH, GM, KE, LS, MM,
KG, KZ, MD, RU, TJ,
F1, FR, GB, GR, HU,
BF, BJ, CF, CG, C1,
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BR 2003012752 A 2
BR 2005000654 A 2
BY 2005000654 A 2
BY 2005122176 A1 2
PRIORITY APPLN. INFO:: WO 2004007491 W: AE, A US 2002-289998 A 20021107

WO 2003-EP50302 W 20030710

OTHER SOURCE(S): MARPAT 140:128412 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

AB The present invention is related to the preparation of azolldinedione-vinyl fused-benzene derivs., such as I [R] = M, CN, carboxy, acyl, alkoxy, halogen, acyloxy, etc.: A = fused heterocyclic or carbocyclic ring: Y1,

halogen, acyloxy, etc.: A = fused heterocyclic or carbocyclic ring; Yl,

= S, O, NNI, and their use in pharmaceutical compns. as PI3 kinase (PI3K) inhibitors. These azolidinones are claimed for use in the treatment and/or prophylaxis of autoimmune disorders, inflammatory diseases, cardiovascular diseases, neurodegenerative diseases, bacterial or viral infections, kidney diseases, cancer, graft rejection, lung injuries, chronic obstructive pulmonary disease, anaphylactic shock, fibrosis, psoriasis, allergic diseases, asthma, stroke or isochemic conditions, ischemia-reperfusion, platelet aggregation/activation, skeletal muscle atrophy/hypertrophy, leukocyte recruitment in cancer tissue, ogenesis, invasion metastasis in melanoma and Kaposi's sarcoma, sepsis, transplantation, pancreatitis, multi-organ failure, glomerulosclerosis, glomerulonephritis, progressive renal fibrosis, endothelial and helial

enithelial

nelial in the lung or in general lung airways inflammation. Further, injuries in the lung or in general lung airways inflammation. Further, these azolidinones are claimed for use in the treatment of atherosclerosis, hypertrophy, cardiac myocyte dysfunction, elevated blood pressure, vasoconstriction, Alzheimer's disease, Huntington's disease.

trauma, multiple sclerosis, rheumatoid arthritis, systemic lupus erythematosus, inflammatory bowel disease, thrombosis, and brain infection/inflammation such as meningitis or encephalitis. Thus, atolidinone II was prepared via a condensation reaction of piperonal with 2,4-thiezolidinedione using 8-alanine in acetic acid and stirring at 100° for 3 h. Some of the prepared azolidinones were assayed for PISKy inhibition using a high throughput PISK lipid kinase binding assay. Tablet, capsule, liquid and injectable pharmaceutical compns.

presented.

IT 648449-93-8P 648449-94-9P
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BTOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses) (preparation of azolidinone-vinyl fused-benrene derivs. for use in pharmaceutical compns. as PT3 kinase inhibitors)

RN 64849-93-8 CAPIUS
CN 4-Piperidinecarboxylic acid,
1-[6-[12,4-dioxo-5-thiazolidinylidene)methyl]4-quinazolinyl]-, ethyl ester (9CI) (CA INDEX NAME)

ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

RN 648449-94-9 CAPLUS
CN L-Proline,
1-{6-{(2,4-dioxo-5-thiazolidinylidene)methyl}-4-quinazolinyl}-,
1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.

648449-83-6P 648449-84-7P 648449-85-8P 648449-83-6P 648449-87-0P 648449-88-1P 648449-92-2P 648449-95-0P 648449-91-6P 648449-97-2P 648449-95-0P 648449-96-1P 648430-07-2P 648449-98-1P 648449-96-1P 648450-07-4P 648450-01-5P 64849-99-4P 648450-07-4P 648450-01-5P 648450-02-6P 64850-03-7P 648450-05-9P 648450-06-0P 648915-80-4P RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therspeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of azolidinone-vinyl fused-benzeme deriva, for use in pharmaceutical compns. as PIJ kinase inhibitors) 648449-83-6 CAPLUS 2,4-Thisolidinedione, 5-{(4-phenyl-6-quinazolinyl)methylene}- (9CI) (CA INDEX NAME)

ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

648449-88-1 CAPLUS
2,4-Thiazolidinedione, 5-{[4-[(phenylmethyl)amino]-6-quinazolinyl]methylene]- (9CI) (CA INDEX NAME)

648449-89-2 CAPLUS 2.4-Thiazolidinedione, 5-[[4-(diethylamino)-6-quinazolinyl]methylene]-(9CI) (CA INDEX NAME)

648449-90-5 CAPLUS
2,4-Thiszolidinedione, 5-[[4-[(2-pyridinylmethyl)amino]-6-quinazolinyl]methylene]- (9CI) (CA INDEX NAME)

648449-91-6 CAPLUS 10520621a.trn ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

648449-84-7 CAPLUS 2,4-Thiazoldinedione, 5-[[4-(dimethylamino)-6-quinazolinyl]methylene]-(9CI) (CA INDEX NAME)

648449-85-8 2,4-Thiazolidinadione, 5-{(4-amino-6-quinazolinyl)methylene}- (9CI) (CA INDEX NAME)

648449-86-9 CAPLUS 2,4-Thiazolidinedione, 5-{[4-(1-piperidinyl)-6-quinazolinyl)methylene}-(9C1) (CA INDEX NAME)

648449-87-0 CAPLUS
2,4-Thiazolidinedione, 5-[[4-(4-morpholinyl)-6-quinazolinyl]methylene}(9CI) (CA INDEX NAME)

ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN (Continued) 2,4-Thiazolidinedione, 5-[[4-{(3-pyridinylmethyl)amino]-6-quinazolinyl]methylene}- (9CI) (CA INDEX NAME)

RN 648449-92-7 CAPLUS
CN 3-Piperidinecarboxylic acid,
1-[6-[2,4-dioxo-5-thiszolidinylidene]methyl]4-quinazolinyl]-, ethyl ester (9CI) (CA INDEX NAME)

648449-95-0 CAPLUS 2,4-Thiazolidinedione, S-[[4-(4-methyl-1-piperazinyl)-6-quinazolidinyl]methylene]- (9CI) (CA INDEX NAME)

648449-96-1 CAPLUS
2,4-Thiazolidinedione, 5-[[4-[4-(2-pyrimidinyl)-1-piperazinyl]-6-quinazolinyl]methylene]- [9CI] (CA INDEX NAME)

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN (Continued

RN 648449-97-2 CAPLUS
CN 2,4-Thiazolidinedione, 5-[[4-[4-[4-fluorophenyl]-l-piperidinyl]-6-quinzolinyl]methylene]- (SCI) (CA INDEX NAME)

RN 648449-98-3 CAPLUS
CN 2,4-Thiazolidinedione, 5-[[4-[4-[phenylmethyl]-1-piperidinyl]-6-quinazolinyl]methylene]- (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN (Continued

RN 648450-02-6 CAPLUS
CN 4-Piperidinecarboxylic acid,
1-[6-[12,4-dixxe-5-thiazolidinylidene)methyl]4-quinazolinyl]- (9C1) (CA INDEX NAME)

RN 648450-03-7 CAPLUS
CN 3-Piperidinecarboxylic acid,
1-[6-[(2,4-dioxo-5-chiazolidinylidene)methyl]4-quinazolinyl]- (9CI) (CA INDEX NAME)

RN 648450-05-9 CAPLUS
CN 2.4-Thiazolidinedione, 5-[[4-[methylamino]-6-quinazolinyl]methylene](961) (CA INDEX NAME)

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN (Continued

RN 648449-99-4 CAPLUS
CN 2,4-Thiazolidinedione, 5-[[4-[4-[2-phenylethyl)-1-piperidinyl]-6-quinazolinyl]methylene]- (9Cl) (CA INDEX NAME)

RN 648450-00-4 CAPLUS
CN 2,4-Thiazolidinedione, 5-{[4-(4-methyl-1-piperidinyl)-6-quinazolinyl]methylene]- [9CI) (CA INDEX NAME)

RN 648450-01-5 CAPLUS CN 2,4-Thiazolidinedione,5-[[4-(4-hydroxy-i-piperidinyl)-6quinazolinyl]methylene]- (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

RN 648450-06-0 CAPLUS
CN 2,4-Thiazolidinedione, 5-[(4-methoxy-6-quinezolinyl)methylene]- (9CI)
(CA
INDEX NAME)

RN 648915-80-4 CAPLUS
CN L-Froline, 1-[6-[(2.4-dioxo-5-thiazolidinylidene)methyl]-4-quinazolinyl)(901) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.

REFERENCE COUNT:

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMA!

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN ACCESSION NUMBER: 2004:60305 CAPLUS DOCUMENT NUMBER: 140:128411 TITLE: Preparation of dioxothiazoly

140:128411
Preparation of dioxothiazolylidenemethyl derivatives for increasing spermatozoa motility
De Luca, Giampiero
Applied Research Systems Ars Holding NV, Neth.
Antilles
PCT Int. Appl., 131 pp.
CODEN: PIXXD2
Patent

INVENTOR(S): PATENT ASSIGNEE(S):

DOCUMENT TYPE: English

LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

											LICAT						
WO	2004	0069	16		A1		2004	0122	•	40 2	2003-1	EP50	303		2	0030	710
	₩:	ΑE,	AG,	AL,	AM,	ΑT,	ΑU,	ΑZ,	BA,	вв.	BG,	₿R,	BY,	ВZ,	CA,	CH,	CN,
		co,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC.	, EE,	ES,	FI,	GB,	GD,	GE,	GH,
		GM,	HR,	HU,	ĮD,	IL,	IN,	is,	JΡ,	KE,	, KG,	KP,	KR,	ΚZ,	LC,	LK,	LR,
		LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	, MW,	ΜX,	MZ,	NI,	NO,	NZ,	OM,
		PG,	PH,	PL,	PT,	RO,	RU,	sc,	SD,	SE.	, SG,	SK,	SL,	SY,	ΤJ,	TM,	TN,
		TR,	TT,	Т2,	UA,	UG,	US,	UZ,	·vc,	VN,	, YU,	ZA,	2M,	2W			
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		KG,	ΚZ,	MD,	RU,	TJ,	TM,	ΑT,	BE,	BG.	, сн,	CY,	CZ,	DE,	DK,	EE,	ES,
		FI,	FR,	GB,	GR,	Hυ,	IE,	IT,	LU,	MC.	, NL,	PT,	RO,	SE,	SI,	SK,	TR,
		BF,	ВJ,	CF,	CG,	CI,	CM,	GΑ,	GN,	GQ.	, GW,	ML,	MR,	NE,	SN,	TD,	TG
											2003-						
ΑU	2003	2555	29		A1		2004	0202		AU 2	2003-:	2555	29		2	0030	710
EΡ	1531	813			A1		2005	0525		EP :	2003-	7639	80		2	0030	710
	R:	AT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	, IT,	LI,	LU,	NL,	SE,	MC,	PT,
											, TR,						
											2004-						
											2005-						
US	2005	2222	25		A1		2005	1006	1	US :	2005-	5196	85		2	0050	504
RITY	' APP	LN.	INFO	٠:						EP :	2002-	1007	99		A 2	0020	710
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WO 2003-EP50303

OTHER SOURCE(S): MARPAT 140:128411

ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

d48449-83-6P. 3-(4-Phenylquinazolin-6-ylmethylene)thiazolidine-2,4-dione 64849-84-7P, 5-(4-Dimethylaminoquinazolin-6-ylmethylene)thiazolidine-2,4-dione 648449-85-8P, 5-(4-Aminoquinazolin-6-ylmethylene)thiazolidine-2,4-dione 648449-85-P, 5-(4-Mp-1)peridin-1-ylquinazolin-6-ylmethylene]thiazolidine-2,4-dione 64849-87-0P, 5-(4-Mp-1)peridin-1-ylquinazolin-6-ylmethylene]thiazolidine-2,4-dione 64849-89-1P, 5-[4-(Benzylaminolquinazolin-6-ylmethylene]thiazolidine-2,4-dione 64849-89-2P, 5-[4-(Ip-4)-2-ylmethyl)laminolquinazolin-6-ylmethylene]thiazolidine-2,4-dione 648449-99-5P, 5-[4-(Ip-4)-2-ylmethyl)laminolquinazolin-6-ylmethylene]thiazolidine-2,4-dione 648449-91-6P, 5-[4-(Ip-4)-2-ylmethyl)laminolquinazolin-6-ylmethylene]thiazolidine-2,4-dione 648449-91-6P, 5-[4-(Ip-4)-4-ymethyl)laminolquinazolin-6-ylmethylene]thiazolidine-2,4-dione 648449-95-P, 5-[4-(4-Methylpiperazin-1-yllquinazolin-6-ylmethylene]thiazolidine-2,4-dione 648489-96-P, 5-[4-(4-Heluorphonyl)piperidin-1-yllquinazolin-6-ylmethylene]thiazolidine-2,4-dione 648489-96-P, 5-[4-(4-Priurophonyl)piperidin-1-yllquinazolin-6-ylmethylene]thiazolidine-2,4-dione 64849-98-3P, 5-[4-(4-Priurophonyl)piperidin-1-yllquinazolin-6-ylmethylene]thiazolidine-2,4-dione 64849-98-3P, 5-[4-(4-Benzylpiperidin-1-yllquinazolin-6-ylmethylene]thiazolidine-2,4-dione 64849-98-3P, 5-[4-(4-Benzylpiperidin-1-yllquinazolin-6-ylmethylene]thiazolidine-2,4-dione 64849-98-3P, 5-[4-(4-Benzylpiperidin-1-yllquinazolin-6-ylmethylene]thiazolidine-2,4-dione 64849-98-3P, 5-[4-(4-Heuthylpiperidin-1-yllquinazolin-6-ylmethylene]thiazolidine-2,4-dione 64849-98-3P, 5-[4-(4-Heuthylpiperidin-1-yllquinazolin-6-ylmethylene]thiazolidine-2,4-dione 64849-98-3P, 5-[4-(4-Heuthylpiperidin-1-yllquinazolin-6-ylmethylene]thiazolidine-2,4-dione 64849-98-3P, 5-[4-(4-Heuthylpiperidin-1-yllquinazolin-6-ylmethylene]thiazolidine-2,4-dione 64849-98-3P, 5-[4-(4-Heuthylpiperidin-1-yllquinazolin-6-ylmethylene]thiazolidine-2,4-dione 64849-98-3P, 5-[4-(4-Heuthylpiperidin-1-yllquinazolin-6-ylmethylene]thiazolidine-2,4-dione 64849-98-3P, 5

yl|quinazolin-6-yl|methylene|thiazolidine-2, 4-dione 648450-00-4P

d(4-Methylpiperidin-1-yl)quinazolin-6-yl|methylene|thiazolidine-2, 4dione 648450-01-5P, 5-[[4-(4-Nydroxypiperidin-1-yl)quinazolin-6yl|methylene|thiazolidine-2, 4-dione 648450-02-6E,
1-[6-(2, 4-Dioxothiazolidin-5-yl)idenemethyl]quinazolin-4-yl)piperidine-4carboxylic acid 648450-03-7P, 1-[6-(2, 4-Dioxothiazolidin-5ylidenemethyl)quinazolin-4-yl|piperidine-3-carboxylic acid
648450-05-9P, 5-(4-Methylaminoquinazolin-6ylmethylene)thiazolidine-2, 4-dione 648450-06-0P,
5-(4-Methoxyquinazolin-6-ylmethylene)thiazolidine-2, 4-dione
648915-80-4P, 1-[6-(2, 4-Dioxothiazolidin-5ylidenemethyl)quinazolin-4-yl|pyrrolidine-2-carboxylic acid
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)

(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(tyreparation of dioxethiazolylidenemethyl derivs. for increasing spermatozoa mothlity)

RN 648449-83-6 CAPLUS

CN 2.4-Thiazolidinedione, 5-[(4-phenyl-6-quinazolinyl)mathylene]- (9CI) (CA INDEX NAME)

(Continued) ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

Title compds. I [X = S, O, NH; Y1-Z = S, O, NH; Cy = 5-8 membered, optionally fused, carbo/heterocyclic ring) are prepared for instance, thiazolidine-2,4-dione is condensed with piperonal (HOAc, β-elanine, 3 h, 100°) to give II. Selected examples have ICSO < 1 mM for the phosphatidylinositol-3-kinase (PI3Ky) receptor. I are useful for the improvement of spermatozoa motility. Furthermore, I are useful for the increase of spermatozoa motility. Furthermore, I are used to treat infertility and assisted reproduction techniques (ART). 668449-93-8P, Ethyl 1-[6-{[2,4-dioxothazolidin-5-ylidenelmethyl]quinazolin-4-yl]piperidine-4-carboxylate 648449-94-9P
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); Blol. (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

RN 648449-94-9 CAPLUS CN L-Proline, 1-[6-[(2,4-dioxo-5-thiazolidinylidene)methyl]-4-quinazolanyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown:

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

648449-84-7 CAPLUS
2,4-Thiazolidinedione, 5-[[4-{dimethylamino}-6-quinazolinyl]methylene}(9CI) (CA INDEX NAME)

648449-85-8 CAPLUS 2.4-Thiazolidinedione, 5-{(4-amino-6-quinazolinyl)methylene}- (9CI) (CA INDEX NAME)

648449-86-9 CAPLUS
2,4-Thiazolidinedione, 5-[[4-(1-piperidinyl)-6-quinazolinyl]methylene](9C1) (CA INDEX NAME)

648449-87-0 CAPLUS 2,4-Thiazolidinedione, 5-{[4-(4-morpholinyl)-6-quinezolinyl]methylene]-(9CI) (CA INDEX NAME)

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L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

648449-88-1 CAPLUS
2,4-Thiazolidinedione, 5-[[4-[(phenylmethyl)amino]-6-quinazolinyl]methylene]- (9CI) (CA INDEX NAME)

5-[{4-(diethylamino)-6-quinazolinyl]methylene}-

648449-90-5 CAPLUS
2.4-Thiazolidinedione, 5-[[4-[(2-pyridinylmethyl)amino]-6-quinazolinyl|methylene]- (9CI) (CA INDEX NAME)

ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN (Cot 648449-95-0 CAPLUS 2.4-Thiacolidinedione, 5-{{4-(4-methyl-1-piperazinyl)-6-quinazolinyl]methylene]- (9CI) (CA INDEX NAME)

648449-96-1 CAPLUS 2.4-Thiazoldindione, 5-[[4-[4-(2-pyrimidinyl)-1-piperazinyl]-6-quinazolinyl]methylene)- [9CI] (CA INDEX NAME)

648449-97-2 CAPLUS
2.4-Thiazolidinedione, 5-[{4-[4-(4-fluorophenyl)-1-piperidinyl]-6-quinazolinyl]methylene]- (9CI) (CA INDEX NAME)

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

648449-91-6 CAPLUS
2,4-Thiazolidinedione, 5-[[4-[(3-pyridinylmethyl)amino]-6-quinazolinyl]methylene]- (9CI) (CA INDEX NAME)

ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

648449-98-3 CAPLUS
2,4-Thiazolidinedione, 5-[[4-[4-(phenylmethyl)-1-piperidinyl]-6-quinazolinyl]methylene]- (9CI) (CA INDEX NAME)

648449-99-4 CAPLUS
2.4-Thiazolidinedione, 5-{[4-[4-(2-phenylethyl}-1-piperidinyl]-6-quinazolinyl]methylene]- (9CI) (CA INDEX NAME)

648450-00-4 CAPLUS
2,4-Thiazolidinedione, 5-[[4-(4-methyl-1-piperidinyl)-6-quinazolinyl]methylene]- (9CI) (CA INDEX NAME)

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN (Continued

RN 648450-01-5 CAPLUS
CN 2,4-Thiazolidinedione, 5-[[4-(4-hydroxy-1-piperidinyl)-6-quinazolinyl]methylene]- (9CI) (CA INDEX NAME)

RN 648450-02-6 CAPLUS
CN 4-Piperidinecarboxylic acid,
1-{6-{(2,4-dixoo-5-thiazolidinylidene)methyl}4-quinazolinyl]- (9CI) (CA INDEX NAME)

RN 648450-03-7 CAPLUS
CN 3-Piperidinecarboxylic acid,
1-{6-{(2,4-dioxo-5-thiazolidinylidene)methyl}4-quinazolinyl)- (9C1) (CA INDEX NAME)

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN (Continued

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L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

RN 648450-05-9 CAPLUS
CN 2,4-Thiazolidinedione, 5-[[4-(methylamino)-6-quinazolinyl]methylene](9C1) (CA INDEX NAME)

RN 648450-06-0 CAPLUS
CN 2,4-Thiazolidinedione, 5-{(4-methoxy-6-quinazolinyl)methylene}- (9CI)
(CA INDEX NAME)

RN 648915-80-4 CAPLUS CN L-Proline, 1-[6-[(2,4-dioxo-5-thiazolidinylidene)methyl]-4-quinazolinyl]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.

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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
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	ENTRY	SESSION

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